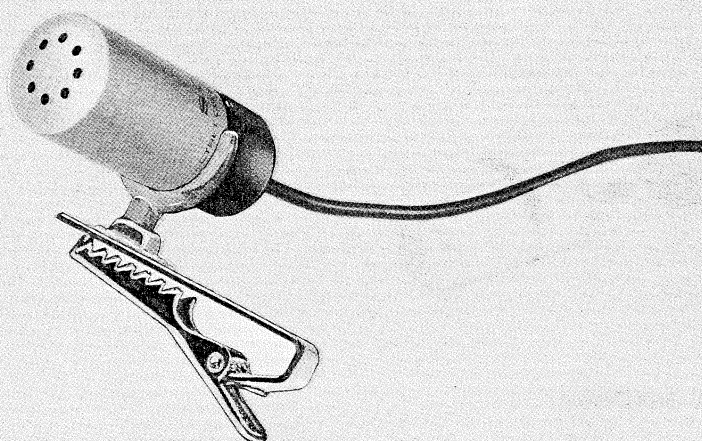


ECM-16



SPECIFICATIONS

Type:	Electret condenser microphone
Battery:	Silver oxide battery EVEREADY S-76 MALLORY HS-76 Mercury battery EVEREADY E-675 MALLORY RM-675, W-3
Frequency Response:	50 — 13,000 Hz
Output Level:	Output impedance 250 Ω or 600 Ω -57.8 dB (250 Ω) (0 dB = 1 V/10 μ bar) -54.0 dB (600 Ω)
Directivity:	Omni-directional
Output Impedance:	250 Ω or 600 Ω
Power Supply:	Normal operating voltage 1.5 V (silver oxide battery) 1.3 V (mercury battery) Minimum operating voltage 1.1 V Current drain approx. 50 μ A Battery life Silver oxide battery --- more than 4,000 H (EVEREADY S-76)
Noise Level:	S/N ratio better than 46 dB (1,000 Hz, 1 μ bar) Inherent noise less than 28 dB SPL (0 dB = 2 x 10 ⁻⁴ μ bar) Wind noise less than 28 dB SPL *(1) Induction noise of external magnetic field 5 dB/m gauss *(2)

Note:

- *(1) Wind noise is the value measured by applying a wind velocity of 6.6 ft/s from all directions to the microphone. The mean value is taken and converted to the equivalent input sound level. (0 dB = 2 x 10⁻⁴ μ bar)
- *(2) The external magnetic field induction noise is measured with the microphone placed in the alternating magnetic field of 50 Hz, 1 milligauss. The maximum noise value is taken and then converted to the equivalent input sound level. (0 dB = 2 x 10⁻⁴ μ bar)

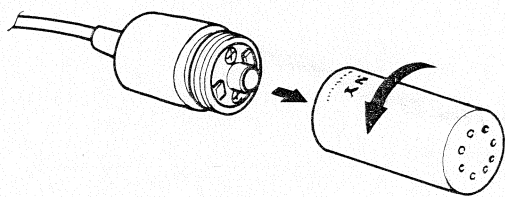
Maximum Sound:	126 dB SPL
Dimensions:	14 mm ϕ x 39 mm (9/16" ϕ x 17/32")
Weight:	31 g (1.08 oz)
note:	mm ϕ = mm dia.

SONY®
SERVICE MANUAL

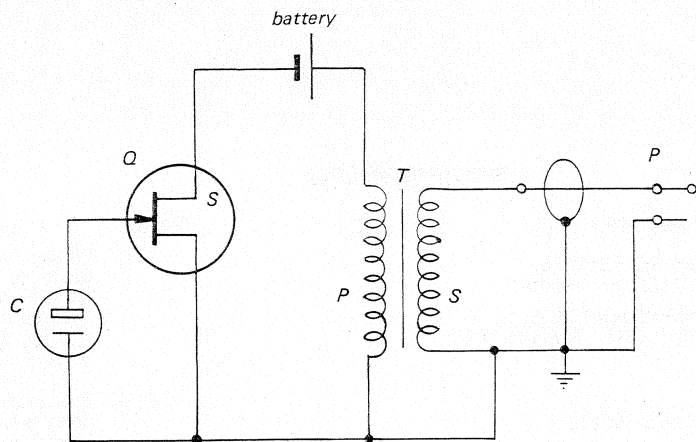
1. DISASSEMBLY

Capsule Removal

Remove capsule by turning it counterclockwise.



2. SCHEMATIC DIAGRAM



C	microphone capsule	omni-directional
Q	FET	included in X-25137-07 Holder Ass'y, bushing
T	transformer, output	
P	cord w/mini plug	

CAUTION

Keep this microphone away from extremely high temperature (140 °F, 60 °C or more). Especially do not place it in colsed automobiles parked in direct sunlight.

3. EXPLODED VIEW

